GENERAL NOTES

Specifications:

-SHA Specifications dated January, 2001
-Revisions thereof and additions thereto and
Special Provisions for Materials and Construction

AASHTO LRFD Bridge Design Specifications, 4th edition, 2007.

Concrete Design: LRFD, f'c= 3.5 ksi.

Reinforcing Steel Design: fy = 60.0 ksi.

Concrete:

All structure concrete shall be Mix. No. 3 (3500 psi) except as noted below under reinforcing steel.

Reinforcing Steel:

Reinforcing steel shall conform to A 615, Grade 60. All splices, not shown, shall be lapped as per Bar Lap Charts. Minimum cover for any bar shall be 2" unless otherwise noted, with the exception of bars at the bottom and sides of all footings which shall have 3" minimum cover.

If the front face of a retaining wall is within 5 ft. of a shoulder or lane, epoxy coated reinforcement shall be used in the front face of the stem and Mix. No. 6 (4500 psi) concrete shall be used for the stem.

ONLY GRADE 60 CAN BE USED.

Design Parameters:

Earth pressure calculated based on Coulomb Theory.

Angle of Internal Friction:
33 degrees for excellent soil
30 degrees for good and poor soils (and all walls on pile footings)

For Wall Types E and F, passive earth pressure from top of footing to bottom of shear key was utilized in the design. In these cases, the top of footing shall have a minimum of 30" cover.

Safe bearing pressures are factored resistances.

APPROVAL
E.S. Freedman DIRECTOR OFFICE OF STRUCTURES
DATE: 7/8/83

REVISIONS	
SHA	FHWA
7-16-02	·
10-9-07	·
·	·
·	·

FHWA APPROVAL
DATE: .

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

VERIFIED 10-9-2007 LRFD

STANDARD RETAINING WALL
GENERAL NOTES

STANDARD NO. RW(6.02)-83-133(L) SHEET 1 OF 1

RETAINING WALLS